

Jupiter (Auto)

JD2300 Series

23" Diameter Automatic Sectional Kilns • Cone 10 • 2-1/2" Brick

FEATURES

Temperature Rating: All models are Cone 10, 2350°F, 1290°C, except the JD23V which is Cone 5).

Loading: Lid position, when open, rests at an angle away from the kiln without lid supports so that loading is easy.

Hinge: Spring loaded for easy opening while still allowing lid to be supported without supports that get in the way of loading.

Stand: Heavy-duty 14 gauge full solid stand with multiple bends for strength. Bolt on legs. Feet protectors included.

Assembly: Two to five 9" high sections stack on top of each other. Easy to assemble. Bottom is reversible.

Construction: Stainless steel wrapped around brick with 3 clamps on each section. All stainless screws.

Insulation: 2-1/2" K23 firebrick

Brick Coating: Reflective coating protects brick and reduces dusting.

Element Holders: Hard ceramic element holders protect brick.

Elements: Heavy-duty. 2 elements per 9" high section. Wired in series.

Element Connections: Proprietary all-ceramic element connection block makes changing elements easy.

Control Panel: All controls and components are mounted in a separate control panel that mounts to the element connection boxes. Cords from sections plug into this panel. The control panel is hinged for easy access and maintenance. Control box can be easily removed for servicing. On/off switch and control fuse are included.

Control: DynaTrol with 4 Easy-Fire programs, 6 Vary-Fire programs, PreHeat, Delay, Program & Segment Review, and Diagnostics.

Zone Control: Two zones with separate thermocouples on the JD23V. Three zones with separate thermocouples on all other models.

Peephole Plugs: Non-fragile solid ceramic with heat-locked head. 1" diameter full-view non-tapered. One per section.

Thermocouples: Type K 8 gauge with ceramic protection tubes.

Relays: Mercury free relays.

Instructions: Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list. Web videos show how to use the control. (<http://www.youtube.com/user/LLKilns#p/u>)

Warranty: Limited 3 year warranty. (See hotkilns.com/warranty.pdf).

UL Listing: c-MET-us listed to UL499 standards.



A JD245V is shown with five sections.

OPTIONS

Furniture Kits: See Dimension & Hearth Specifications.

Thermocouple Options: Type S platinum or 1/4" pyrocoil metallic sheathed (see hotkilns.com/tc.pdf).

Vent System: Vent-Sure downdraft vent (see hotkilns.com/vent.pdf)

Orton Sitter/Timer Backup Control: For safety back-up or to use as final control device while still using the control for ramping.

120 Volt Control Power Option: Allows control circuit to be plugged into a protected UPS power supply.

Extra Power: Extra wattage and amperage can be achieved through the use of Easy-Fire elements on Jupiter kilns at no extra charge.

Powered Bottom: Available on all JD2300 Series kilns. There is one extra element.



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L&L Kiln's patented hard ceramic element holders protect your kiln.

Bulletin No: Spec-JD2300-4-10

DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

Model Number	Inside Height	Cubic Feet	Furniture Kit	Furniture Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Weight Kiln Only	Ship Weight Kiln + Kit
JD23V	18"	4.7	1 full, 4 half shelves	H-J-K230/00	32" W x 31" H x 45" D	44" W x 55" H x 44" D	275 lbs	350 lbs
JD230V	27"	7.0	2 full, 4 half shelves	H-J-K23X/00	32" W x 40" H x 45" D	44" W x 60" H x 44" D	330 lbs	425 lbs
JD236V	36"	9.4	3 full, 4 half shelves	H-J-K236/00	32" W x 49" H x 45" D	44" W x 63" H x 44" D and 36" W x 20" H x 36" D	360 lbs	455 lbs
JD245V	45"	11.8	4 full, 4 half shelves	H-J-K245/00	32" W x 58" H x 45" D	44" W x 60" H x 44" D and 44" W x 38" H 44" D	445 lbs	560 lbs

Crosssection of Inside: 10 sided polygon, 22" in diameter.

Minimum Space Requirements: 54" wide x 52-1/2" deep.

Furniture/Shelves Kit: Shelves are 21" diameter full and half round cordierite shelves. Each post kit includes six each 1/2", 1", 2" 4", 6" and 8" high 1-1/2" square cordierite posts. All furniture kits include heat-resistant gloves and 5 pounds of cone 10 kiln wash.

General Dimension Drawings: See each model page on hotkilns.com to download PDF drawings.

For all Dimensions and Weights: See hotkilns.com/jupiter-dimensions.pdf.



Furniture kit for a J23V.



Furniture kit for a J230V.



Furniture kit for a J236V.



Furniture kit for a J245V.

ELECTRICAL SPECIFICATIONS

Standard Models							Powered Bottom Models					
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size	Model Number	Part Number	Watts	Amps	Wire Size	Fuse Size
JD23V-240	K-A-230H/31	240/1P	7,036	29.3	8 ga	40 a	JD23V-PB-240	K-A-230P/31	8,800	36.6	6 ga	50 a
JD23V-240-3P	K-A-230H/32	240/3P	7,036	25.4	8 ga	40 a	JD23V-PB-240-3P	K-A-230P/32	8,800	25.4	8 ga	40 a
JD23V-208	K-A-230H/21	208/1P	6,096	29.3	8 ga	40 a	JD23V-PB-208	K-A-230P/21	7,620	36.6	6 ga	50 a
JD23V-208-3P	K-A-230H/22	208/3P	6,096	25.4	8 ga	40 a	JD23V-PB-208-3P	K-A-230P/22	7,620	25.4	8 ga	40 a
JD230V-240	K-A-231H/31	240/1P	10,554	44.0	6 ga	60 a	JD230V-PB-240	K-A-231P/31	12,300	51.3	4 ga	70 a
JD230V-240-3P	K-A-231H/32	240/3P	10,554	25.4	8 ga	40 a	JD230V-PB-240-3P	K-A-231P/32	12,300	31.7	6 ga	50 a
JD230V-208	K-A-231H/21	208/1P	9,144	44.0	6 ga	60 a	JD230V-PB-208	K-A-231P/21	10,700	51.3	4 ga	70 a
JD230V-208-3P	K-A-231H/22	208/3P	9,144	25.4	8 ga	40 a	JD230V-PB-208-3P	K-A-231P/22	10,700	31.7	6 ga	50 a
JD236V-240	K-A-236H/31	240/1P	14,072	58.6	3 ga	80 a	JD236V-PB-240	K-A-236P/31	15,800	65.9	2 ga	90 a
JD236V-240-3P	K-A-236H/32	240/3P	14,072	38.1	6 ga	50 a	JD236V-PB-240-3P	K-A-236P/32	15,800	44.4	6 ga	60 a
JD236V-208	K-A-236H/21	208/1P	12,192	58.6	3 ga	80 a	JD236V-PB-208	K-A-236P/21	13,700	65.9	2 ga	90 a
JD236V-208-3P	K-A-236H/22	208/3P	12,192	38.1	6 ga	50 a	JD236V-PB-208-3P	K-A-236P/22	13,700	44.4	6 ga	60 a
JD245V-240	K-A-245H/31	240/1P	17,590	73.3	1 ga	100 a	JD245V-PB-240	K-A-245P/31	19,400	80.6	1 ga	100 a
JD245V-240-3P	K-A-245H/32	240/3P	17,590	50.8	4 ga	70 a	JD245V-PB-240-3P	K-A-245P/32	19,400	50.8	4 ga	70 a
JD245V-208	K-A-245H/21	208/1P	15,240	73.3	1 ga	100 a	JD245V-PB-208	K-A-245P/21	16,800	80.6	1 ga	100 a
JD245V-208-3P	K-A-245H/22	208/3P	15,240	50.8	4 ga	70 a	JD245V-PB-208-3P	K-A-245P/22	16,800	50.8	4 ga	70 a

Extra Power: Extra wattage and amperage can be achieved through the use of Easy-Fire elements on Jupiter kilns at no extra charge.

Cone/Temperature Rating: Cone 10, 2350°F, 1290°C (except JD23V which is rated for Cone 5, 2165°F, 1185°C)

UL Listing: All the above models are c-MET-us listed.

Power Connection: Single phase models up to 48 amps have a NEMA 6-50 plug. Three phase models up to 48 amps have a NEMA 15-50 plug. All other models are direct wire to a fused disconnect switch.